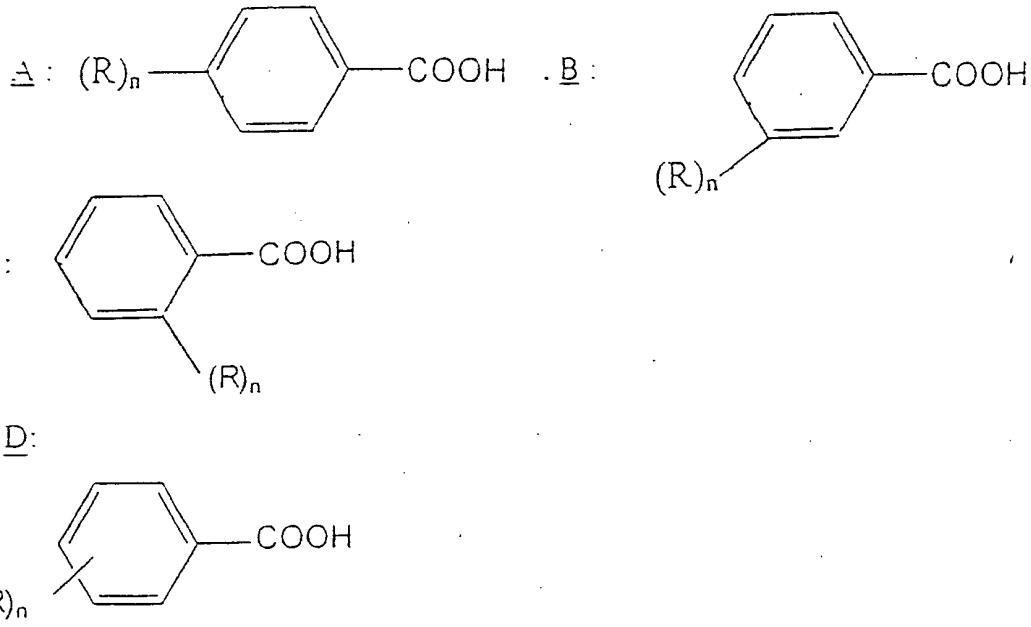
What is claimed is:

1. Product comprising rubber, wherein the product comprises at least one buffer zone and at least one sensitive zone, wherein said buffer zone is provided in order to trap oxygen external to said product so as to protect from oxidation said sensitive zone of the said product, wherein said buffer zone contains a basic composition comprising at least one elastomer containing at least one iron (III) salt provided to activate oxidation in said composition,

wherein

said salt is an iron (III) salt of an aromatic mono-carboxylic acid, said acid comprising one or more aromatic rings which may be optionally substituted, and having one of the following formulas:



in which n is an integer ranging from 2 to 5, and:

- in formulas A, B and C, R is a hydrogen atom, an alkyl group having from 1 to 8 carbon atoms, which may be optionally substituted, an alkoxyl group or a cyano group, and
- in formula D, R is an aryl group having from 6 to 10 carbon atoms which may be optionally substituted.

2. Product comprising rubber according to Claim 1,
wherein
the acid is a cyanobenzoic acid.

3. Product comprising rubber according to Claim 1,
wherein
the acid is selected from the group consisting of benzoic acid and alkylbenzoic acid.

4. Product comprising rubber according to Claim 3,
wherein
the acid is a toluic acid.

5. Product comprising rubber according to Claim 1,
wherein
the acid is an alkoxybenzoic acid..

6. Product comprising rubber according to Claim 1,
wherein
the acid is a naphthoic acid.

7. Product comprising rubber according to Claim 1,
wherein

the quantity of the said iron (III) salt in said composition ranges from about 0.01 to about 0.03 phr of iron equivalent.

8. Tire cover comprising a calendering rubber internal to a carcass ply that extends from one bead wire to the other, crown plies external to the carcass ply, side walls exterior to the carcass that end in beads comprising at least one bead wire, and a tread exterior to the crown plies, wherein the tire cover comprises the product of claim 1 or 2 or 3 or 4 or 5 or 6 or 7.

9. Tire cover according to Claim 8 wherein said buffer zone containing said composition occupies at least one of the following positions selected from the group consisting of:
radially inside said internal calendering rubber, between said calendering rubber and said carcass ply, between said carcass ply and said crown plies, between said crown plies and said tread, between said carcass ply and said side walls, inside said side walls, outside said side walls, inside said tread, and outside said tread.

10. Tire cover according to Claim 9 wherein said tire cover further comprises a heavy duty tire cover, and further comprises a reinforcing elastomer layer provided between said internal calendering rubber and said carcass ply, wherein said buffer zone containing said composition is located within said reinforcing elastomer layer.

11. Process for obtaining a product comprising rubber according to claim 1 or 2 or 3 or 4 or 5 or 6 or 7, comprising the step of incorporating by mechanical work said iron (III) salt into the elastomer contained in said composition, to obtain said buffer zone.

12. Process for obtaining a product comprising rubber according to Claim 11, said product further comprising a reinforcing filler,
wherein the process further comprises the step of incorporating said iron (III) salt into said elastomer at the same time as a filler provided to reinforce the said composition.

13. Process for reducing the rolling resistance of a tire cover comprising the step of incorporating by mechanical work into an elastomer constituting said tire cover an iron (III) salt as defined in any of Claims 1 or 2 or 3 or 4 or 5 or 6 or 7.

14. The product of claim 2, wherein the cyanobenzoic acid is p-cyanobenzoic acid.

15. The product of claim 3, wherein the alkylbenzoic acid is p-butylbenzoic acid.

16. The product of claim 4, wherein the toluic acid is selected from the group consisting of p-toluic, m-toluic or o-toluic acid.

17. The product of claim 5, wherein the alkoxybenzoic acid is methoxybenzoic acid.

18. The product of claim 1, wherein the aromatic ring is optionally substituted with a moiety selected from the group consisting of an alkyl group having from 1 to 8 carbon atoms, an alkoxy group, a cyano group, or an aryl group.

19. The product of claim 1, wherein the alkyl group may be substituted with an alkyl group having from 3 to 8 carbon atoms.

20. The product of claim 19, wherein the alkyl group is an isopropyl alkyl group.

21. The product of claim 1, wherein the aryl group may be substituted by a methyl group.

22. The product of claim 21, wherein the acid is 1-napthoic acid, and the methyl group is substituted at a position selected from the group of positions consisting of 2, 3, 4, 5, 6, 7, and 8.

23. The product of claim 21, wherein the acid is 2-napthoic acid, and the methyl group is substituted at a position selected from the group of positions consisting of 1, 2, 4, 5, 6, 7, and 8.